

Abstract

A visual object detection system to provide access and/or presence monitoring of an area of interest. In steady state operation, that is when no object is entering or within the area of interest, only those portions of the incoming images that correspond to the border of the area of interest are analyzed. Once the border is breached by an object, the present invention may begin analyzing the entire area or selected regions inside the border of the area of interest. This may provide some level of presence monitoring of the area of interest. It is contemplated that both modes of analysis can take place simultaneously or sequentially, depending on the application. Once the object leaves the area of interest, the present invention preferably returns to the original steady state, and monitors only the border regions of the incoming images.